START

168 0012570

WHC-MR-0224

Hanford Site LDR RMW Stream Data Package

Westinghouse Hanford Company
P.O. Box 1970
Richland, Washington 99352

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

Approved for Public Release

Westinghouse
Hanford Company

P.O. Box 1970 Richland, WA 99352

0009384

June 13, 1990

9002167B R3

Mr. Ronald E. Gerton, Director
Waste Management Division
U.S. Department of Energy
Richland Operations Office
Richland, Washington 99352

Dear Mr. Gerton:

SUBMITTAL OF REVISED DATA PACKAGE ON THIRDS RADIOACTIVE MIXED WASTE

Reference: Letter, J. H. Anttonen, DOE-RL, to Hanford Contractors, "Thirds Radioactive Mixed Waste Data," 9002167B, dated May 14, 1990.

As requested, Westinghouse Hanford Company (WHC) has completed input data clarifications/revisions in response to comments received June 8, 1990, on the subject data package from Mr. R. J. Nevarez. In addition, WHC has prepared supplemental information, improved the waste stream data forms heading, and included an index of the stream descriptions. The completed data package is attached for your transmittal to DOE-HQ (EM-321).

If you have questions or require additional information, please contact Mr. J. O. Skolrud of my staff on 376-6180.

Very truly yours,

H. E. McGuire, Manager
Environmental and Waste Program Integration

bd

Attachment

DOE-RL - R. D. Izatt
R. O. Puthoff (w/o attachment)

KEH - W. H. Bodily

PNL - W. J. Bjorklund

9212264

Attachment 1

HANFORD SITE

LDR RMW STREAM

DATA PACKAGE

SUPPLEMENTAL INFORMATION

The following information is applicable to the "Thirds" LDR report:

1. Waste packaged for storage must be placed in DOT Type A containers. These range in size from 5 to 55 gallon drums, as is deemed necessary for the amount of waste generated. Liquids that have been absorbed directly on absorbent material are placed inside the containers with 2 containment barriers. Liquids that are labpacked are packed in twice the amount of absorbent, also with 2 containment barriers.

2. RCRA Part A permit applications have been submitted for all storage facilities and compliance issues are being addressed through the Tri-Party Agreement. Containerized RMW will primarily be stored at the Central Waste Complex.

3. Current plans at Hanford are to construct the Waste Receiving and Packaging (WRAP) facility for treatment of certain containerized wastes. WRAP is planned to be completed in two phases, with final completion planned for September 1999. Module I will only include solidification treatment capabilities, while the Module II treatment capabilities are yet to be defined.

4. The Hanford Grout Treatment Facility (GTF) and the Hanford Waste Vitrification Plant (HWVP) are planned for treatment of wastes contained in the double shell tanks. Low-level non-complexed waste will be concentrated through evaporation before being solidified in the GTF. Complexed waste will be concentrated in the evaporator, sent to B-plant where the complexants will be destroyed and the low-level waste will be separated from the TRU and high-level fractions. The low-level fraction of these wastes will be solidified in the GTF, while the high-level and TRU fractions will be vitrified in the HWVP. The GTF is available now, and HWVP is scheduled to be operational in late 1999.

5. The information on Single Shell Tanks is included for waste treatment facility capacity planning purposes. EPA Waste Code F003 has also been identified for the Single Shell Tanks due to the presence of far less than 1% hexone (methyl isobutyl ketone) carried over from the aqueous phase of an organic extraction process (Redox) that ceased operations in 1967. This code is included on the Part A Permit Application. However, this trace amount does not exceed the 10% concentration required for federal reporting as indicated in 40 CFR 261.31, Hazardous Waste from Nonspecific Sources. Therefore, the F003 waste code was not included. This also applies to those Double Shell Tanks which may contain waste from salt well pumping of Single Shell Tanks. Also, due to mixing with other streams, the concentration would be even further reduced in the Double Shell Tanks.

INDEX FOR RADIOACTIVE MIXED WASTE DATA PACKAGE

INDEX FOR RADIOACTIVE MIXED WASTE DATA PACKAGE
(Continued)

"THIRDS" WASTESTREAM DATA INPUT FORM - #01

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Don Sommer/Lorna Dittmer

4. Phone Number: 509-376-8594/376-5698 FTS Number: 444-8594/444-5698

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No

2. Unique Common Name: Transuranic (TRU) Miscellaneous Paint Wastes From Previous Contractor's Facility Operations
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Wastestream was generated from previous contractor's facility routine painting activities

4. Following generation how is/was wastestream managed? Liquids are absorbed or placed in labpacks. Waste is packaged appropriately in approved containers for storage at the Central Waste Complex.

a. Initial destination: Storage
b. T, S, or D unit name: Central Waste Complex
c. T, S, or D building number(s): 2402W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Central Waste Complex Quantity (m^3): 6.93
Building number(s): 2402W

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #01

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

Building number: Not available yet.

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? No

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) N/A

Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #01

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) This waste was generated prior to 1987 and has no associated codes and categories assigned to it. This stream requires further treatment by WRAP.

2. List all the EPA waste codes applicable to this wastestream: See question one above.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) N/A

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solids and liquids.

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Other (paint wastes).

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) See question one above.
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #02

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / MIKE DOYLE
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: T-Plant Equipment Decontamination Waste (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste is generated from the decontamination of equipment.
4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to 12 and sodium nitrite to reduce tank corrosivity.

   a. Initial destination: Treatment (elementary neutralization) / Storage
   b. T, S, or D unit name: Double-shell tank
   c. T, S, or D building number(s): Tank: 241-SY-102
5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

   Unit name: Double-shell tank Quantity (m^3): 4,800
   Building number(s): Tank: 241-SY-102, 241-AY-102, 241-AW-101,102 & 106, 241-AN-102, 103, 104, 105 & 107, 241-AP-103, 105 &106
6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #02

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: This wastestream will be treated at the evaporator and the grout facility.
Building number: 242-A (Evaporator), 243-GI (Grout)

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? Yes

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) 1,000

Assumptions which may affect generation rate:
Generation rate is highly dependent on the quantity of equipment that is decontaminated.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

a. If yes, what is unique common name of this wastestream?
Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #02

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Wastewater
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Noncombustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). N/A
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? No

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #03

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / DENNIS FAULK
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? NO
2. Unique Common Name: PFP TRU Laboratory and Maintenance Waste (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste was generated during the performance of routine lab and maintenance activities.
4. Following generation how is/was wastestream managed? Liquids are absorbed and waste is packaged for storage.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex (CWC) and Retreivable Storage Units (RSU)
   c. T, S, or D building number(s): CWC-2402B, 2401W, RSU-04C

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

   Unit name: Central Waste Complex and Retreivable Storage Units
   Quantity (m^3): 4.2
   Building number(s): CWC-FS, 2402-B, 2401W, RSU-04C

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). YES

"THIRDS" WASTESTREAM DATA INPUT FORM - #03

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Processing Facility (WRAP) for treatment (planned 9/99).
Building number: Not yet available.

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? Yes

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) 2.1

Assumptions which may affect generation rate:
Generation rate is highly dependent on type and amount of lab and maintenance activities conducted.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #03

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable, corrosive, reactive, EP toxic

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D003, D004, D005, D007, D008, D009, D010

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Rags and absorbent materials

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Mixed
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
Water Reactive

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #04

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / DENNIS FAULK
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: PFP LLW Laboratory and Maintenance Waste
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated:
Waste was generated during the performance of routine lab and maintenance activities.
4. Following generation how is/was wastestream managed?
   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex (CWC) and Retreivable Storage Units (RSU)
   c. T, S, or D building number(s): CWC-FS, 2402W, 2402B, RSU-03A, 04C
5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

   Unit name: Central Waste Complex and Retreivable Storage Units
   Quantity (m^3): 7.9
   Building number(s): CWC-FS, 2402W,2402B, RSU-03A, 04C

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). YES

"THIRDS" WASTESTREAM DATA INPUT FORM - #04

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: The planned Waste Receiving and Processing Facility (WRAP)
   Building number: Not yet available.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
      Building number:

      Unit name:
      Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

      Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3) 4.0

   Assumptions which may affect generation rate:
   That workload and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #04

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable, corrosive, reactive, EP toxic

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D003, D004, D005, D007, D008, D009, D010

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Rags and absorbent materials

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Mixed
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
Water Reactive

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #05

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / WAYNE TOEBE
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: UO3 Process Condensate
   (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated:
   Corrosive nitric acid solution from concentrator operations at UO3, is neutralized with potassium hydroxide solution.
4. Following generation how is/was wastestream managed?

   a. Initial destination: Treatment / Disposal (Permit by Rule for elementary neutralization)
   b. T, S, or D unit name: Treatment: UO3 Process Condensate Neutralization Unit, Tank C-5, and Disposal: 216-U-17 Crib.
   c. T, S, or D building number(s): Treatment: 224-U, Disposal: NA
5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990. NOTE: This waste is normally discharged to the crib. Organic compounds, not normally found in this waste, have been periodically detected. Because of this, this waste is being temporarily stored until the reason for the formation of the compounds is found and a determination is made on the disposition of the stored waste.

   Unit name: Tank X-1 Quantity (m^3): 151
   Building number(s): 203-U Area
6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). N/A

"THIRDS" WASTESTREAM DATA INPUT FORM - #05

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? NA

   a. If yes, Unit name:

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes.

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 2,200 m^3

      Assumptions which may affect generation rate:
      Generation rate is based on UO3 operations schedule and amount of precipitation, but assumes that the concentration of the main process feed stream is running for about 5 weeks/year, generating 1,300 m^3, and the concentration of miscellaneous recycle streams is running for about 47 weeks/year, generating 900 m^3.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream?
      Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #05

II. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Neutralization has made this stream no longer corrosive on discharge to 216-U-17 Crib. The nitrate levels remaining are too low to be considered an oxidizing agent.

2. List all the EPA waste codes applicable to this wastestream:
None - See comment for question 1 above.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Wastewater majority of time. Occasional spikes of up to 3% TSS cause it to be nonwastewater.
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions). N/A
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #06

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan
4. Phone Number: 509-376-8478 FTS Number: 444-8478
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: Purex ASD (ammonia scrubber)
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: The ammonia scrubber stream is generated from water sprayed to adsorb ammonia from any of the three dissolver off-gas streams. Ammonia is generated during the declad or metathesis operations in the dissolver or during waste treatment. The liquid from the ammonia scrubbers is transferred to Purex Tanks.
4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

   a. Initial destination: Treatment/Storage
   b. T, S, or D unit name: Purex Tk-G7 system
   c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double Shell Tanks Quantity (m^3): 5900(This number represents the part of the total waste stored in these tanks which was contributed by this wastestream.)
   Building number(s): 102AW, 106AW, 103AP, 105AP, 106AP, 101AP

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #06

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: The stream in the double shell tanks will go to the evaporator and to the grout facility. Future generation of this stream will be treated in the Ammonia Destruction System. The treated liquid will go to the Liquid Effluent Retention Facility(LERF)(planned 12/90). The water will be treated in the Project C018 Treatment Facility (planned 10/92-12/93) and then routed to crib.
      Building number: 242-S, 243-G1

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?
         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 7600
      Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes. Treatment is to reduce corrosivity during storage.

   a. If yes, what is unique common name of this wastestream?
      Same

"THIRDS" WASTESTREAM DATA INPUT FORM - #06

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive

2. List all the EPA waste codes applicable to this wastestream: D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Wastewater

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). NA
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #07

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan

4. Phone Number: 509-376-8478 FTS Number: 444-8478

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Purex F15/F16 (Aging Waste)
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: First cycle fission product waste stream from dissolved N-Reactor fuel. The waste has been concentrated and denitrated to recover acid after being separated from the uranium/plutonium product stream.

4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

a. Initial destination: Storage/Treatment
b. T, S, or D unit name: Purex Tk-F15/F16
c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Double Shell Tanks Quantity (m^3): 7200
Building number(s): Tanks 102AZ,101AZ

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #07

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will go to B-plant for separation, then the liquids will go to the evaporator and to the grout facility , and the solids will go to the vitrification facility (planned, 12/99).
      Building number: 221-B, 242-A, 243-G1, vitrification building number not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 600 m3 as reported in the National Report on Prohibited Wastes and Treatment Options.

      Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes. Treatment is to reduce corrosivity during storage.

   a. If yes, what is unique common name of this wastestream? Same

"THIRDS" WASTESTREAM DATA INPUT FORM - #07

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic The waste in its current dilute wastewater form does not exhibit the characteristics of ignitability.

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D006, D007, D008 This designation was done at the point of generation. It is reported in the Washington State Dangerous Waste Report. D001 and D008 may be questionable.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH (see question 2)

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) HLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
(NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater with >1% TSS

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). NA
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #08

I. Contact Information
1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan

4. Phone Number: 509-376-8478 FTS Number: 444-8478

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information
1. Was this waste reported as a California List waste in the National Report? Yes- only Zr Cladding Removal waste reported previously

2. Unique Common Name: Purex Tk-E5 Zr Clad Rem & Spent Meta Liquid (NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Zirconium cladding removal waste is generated by removing zirconium jackets from fuel rods using ammonium fluoride and ammonium nitrate. The Spent Metathesis waste and its rinse water results from the metathesis of residual uranium and plutonium fluoride precipitates remaining in the dissolvers from the decladding process using potassium hydroxide. This liquid stream is/was separated from the Purex Tk-E5 Zr Clad Rem & Spent Meta Solids stream in Double Shell Tanks 103AW and 105AW.

4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.
a. Initial destination: Treatment/Storage
b. T, S, or D unit name: Purex Tk E-5
c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Double Shell Tanks Quantity (m^3): 2600
Building number(s): Tank 103AW, 105AW

Unit name: Double Shell Tanks Quantity(m^3): 3400 (This number represents the part of the total waste stored in each of these tanks which was contributed by this wastestream and its handling.)
Building number(s): Tanks 101AW, 102AW, 106AW, 101AN, 103AN, 104AN, 105AN, 105AP, 106AP

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #08

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will go to B-plant for separation (planned, 10/98), then the liquids will go to the evaporator and to the grout facility , and the solids will go to the vitrification facility (planned, 12/99).
   Building number: 221-B, 242-S, 243-G1, vitrification building number not available yet

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 3a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate including assumptions: Per year (m^3) 2200 (1000 m^3 of waste was reported in the National Report on Prohibited Wastes and Treatment Options.)

      Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 3a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #08

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic The waste in its current dilute form does not exhibit the characteristics of ignitability.

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D007 This designation was done based on constituents from analytical data. It is reported in the Washington State Dangerous Waste Report. D001 may be questionable.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH (see question 2)

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater with > 1% TSS

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). NA
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #09

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan

4. Phone Number: 509-376-8478 FTS Number: 444-8478

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes- only Zr Cladding Removal waste reported previously

2. Unique Common Name: Purex Tk-E5 Zr Clad Rem & Spent Meta Solids
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Zirconium cladding removal waste is generated by removing zirconium jackets from fuel rods using ammonium fluoride and ammonium nitrate. The Spent Metathesis waste and its rinse water results from the metathesis of residual uranium and plutonium fluoride precipitates remaining in the dissolvers from the decladding process using potassium hydroxide. This solids stream is/was separated from the Purex Tk-E5 Zr Clad Rem & Spent Meta Liquid stream in Double Shell Tanks 103AW and 105AW.

4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

a. Initial destination: Treatment/Storage
b. T, S, or D unit name: Purex Tk E-5
c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Double Shell Tanks Quantity (m^3): 3300
Building number(s): Tank 103AW, 105AW

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #09

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will go to B-plant for separation of TRU from low level solids (planned, 9/2000), the TRU solids will go to the vitrification facility (planned, 12/99) and the low level solids will go to grout.
      Building number: 221-B, vitrification building number not available yet, 243-G1

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?
         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 1200 m3

      Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes. Treatment is to reduce corrosivity during storage.

   a. If yes, what is unique common name of this wastestream? Same

"THIRDS" WASTESTREAM DATA INPUT FORM - #09

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic The waste in its current dilute form does not exhibit the characteristics of ignitability.

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D007 This designation was done at the point of generation. It is reported in the Washington State Dangerous Waste Report. D001 may be questionable.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH (see question 2)

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? sludge

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). NA
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #10

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan

4. Phone Number: 509-376-8478 FTS Number: 444-8478

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Purex Tk-F18 Wastes
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste is collected from sumps in process cells, steam condensate, sample gallery floor drains, concentrator bottoms change out and precipitation from outside diked areas.

4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.
a. Initial destination: Storage/Treatment
b. T, S, or D unit name: Purex Tk-F18
c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.
Unit name: Double Shell Tanks Quantity (m^3): 1900(This number represents the part of the total waste stored in this tank which was contributed by this wastestream.)
Building number(s): Tank 104AW

Unit name: Double Shell Tanks Quantity (m^3): 4600 (This number represents the part of the total waste stored in each of these tanks which was contributed by this wastestream and its handling.)
Building number(s): 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 103-AP, 105-AP, 106-AP

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #10

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream is currently moved from Tank 104AW to Tank 102AW. Then it is sent to the evaporator. After the volume is reduced, it is sent to Tank 106AW and from there to double shell tank storage until it can be grouted.
   Building number: 242-A, 243-G1

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
      Building number:

      Unit name:
      Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

      Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3) 1610 m3 as reported in the National Report on Prohibited Wastes and Treatment Options.

   Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream?
   Same

"THIRDS" WASTESTREAM DATA INPUT FORM - #10

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic The waste in its current dilute form does not exhibit the characteristics of ignitability and reactivity.

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011 This designation was done at the point of generation. It is reported in the Washington State Dangerous Waste Report. D001 and D003 may be questionable.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH D008, D009, D010, D011, may be questionable. This waste can vary from non-dangerous water to potentially dangerous waste which can be designated with all these EPA waste codes.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater with > 1% TSS

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive) NA

9. Is this waste a candidate for delisting? NA
   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #11

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan

4. Phone Number: 509-376-8478 FTS Number: 444-8478

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Purex PDD(process condensate)
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Condensate from J8 and K4 concentrators is routed to tank G7.

4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

a. Initial destination: Treatment/Storage
b. T, S, or D unit name: Purex Tk-G7 system
c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Double Shell Tanks Quantity (m^3): 4800
Building number(s): Tanks 107AP, 108AP

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #11

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: The stream in the double shell tanks will go to the evaporator and to the grout facility. Further generation of this stream will go to the Liquid Effluent Retention Facility (LERF)(planned 12/90). The water will be treated in the Project C018 Treatment Facility (planned 10/92-12/93) and then routed to crib.
   Building number: 242-S, 243-G1

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
      Building number:

      Unit name:
      Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?
      Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3) 22,000 (6818 m3 was wrongly reported in the National Report on Prohibited Wastes and Treatment Options.)
   Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes. Treatment is to reduce corrosivity during storage.

   a. If yes, what is unique common name of this wastestream?
   Same

"THIRDS" WASTESTREAM DATA INPUT FORM - #11

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Corrosive

2. List all the EPA waste codes applicable to this wastestream: D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
   (NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? (NOTE: Wastewater only if <1% TOC and <1% TSS). Wastewater

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). NA
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #12

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Deborah Wiggins/Bob Shaver/Mary Lou Sullivan

4. Phone Number: 509-376-8478 FTS Number: 444-8478

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Purex Tk-U3 & Tk-U4 Misc Waste
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste is from sumps, flush water, water used for decon of equipment, runoff and laboratory waste.

4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

a. Initial destination: Storage/Treatment
b. T, S, or D unit name: Purex Tk-U3 & Tk-U4
c. T, S, or D building number(s): 202-A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Double Shell Tanks Quantity (m^3): 1400(This number represents the part of the total waste stored in this tank which was contributed by this wastestream.)
Building number(s): Tank 104AW

Unit name: Double Shell Tanks Quantity (m^3): 3500
(This number represents the part of the total waste stored in each of these tanks which was contributed by this wastestream and its handling.)
Building number(s): 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 103-AP, 105-AP, 106-AP

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #12

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream is currently moved from Tank 104AW to Tank 102AW. Then it is sent to the evaporator. After the volume is reduced, it is sent to Tank 106AW and from there to double tank storage until it can be grouted.
   Building number: 242-A, 243-G1

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
      Building number:

      Unit name:
      Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

      Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3) 1180 m3 as reported in the National Report on Prohibited Wastes and Treatment Options.

   Assumptions which may affect generation rate: 500 metric tons per year of fuel is processed.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream?
   Same

"THIRDS" WASTESTREAM DATA INPUT FORM - #12

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic The waste in its current dilute form does not exhibit the characteristics of ignitability and reactivity.

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011 This designation was done at the point of generation. It is reported in the Washington State Dangerous Waste Report. D001 and D003 may be questionable.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) HIGH D008, D009, D010, D011, may be questionable. This waste can vary from non-dangerous water to potentially dangerous water which can be designated with all these EPA waste codes.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater with > 1% TSS

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive) NA

9. Is this waste a candidate for delisting? NA
   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #13

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Edward W. Powers
4. Phone Number: 509-376-5698/373-2774 --FTS Number: 444-5698
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 183-H Solar Basin Waste (includes Retrievably Stored as well as Newly Generated)
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste is from decontamination and decommissioning cleanup of 183-H solar evaporation basin. Original source of wastes was from 300 Area Fuels Fabrication process. Waste is no longer generated from the fuels fabrication process.
4. Following generation how is/was wastestream managed? Waste is neutralized and treated for packaging -- used absorbent material for sludge, and solidification of liquid through mixing with Sorbond LPC-II (a product of the American Colloid Company). Waste remaining in the Basin is crystallized (salts) and is being packaged in drums with absorbent material placed on top to absorb any condensate.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 04C-T24, 2402D-L01, 2402W-L01, MWS

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 712
   Building number(s): 04C-T24, 2402D-L01, 2402W-L01, MWS

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #13

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes, as waste from the decontamination and decommissioning cleanup of the Solar Basin.

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 369 M^3

      Assumptions which may affect generation rate: Wastes no longer generated other than those for closure of the 183-H Solar Basin. It is planned to have the remaining waste removed and placed in storage at the Central Waste Complex by September 1990.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #13

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, EP Toxic, Listed
The nitrate content in the absorbent material is too dilute to be considered ignitable. The remaining wet sodium nitrate crystals are considered oxidizers, hence the RCRA ignitable categorization. The flash point for this material, however, is not low enough for this material to be considered ignitable.

2. List all the EPA waste codes applicable to this wastestream:
D001 - This designation is based on constituents from analytical data at the point of generation. It is reported on waste manifests and in the Washington State Dangerous Waste Report. U123, P029, P030, P098, P106, and P120 are also applicable to the waste from this stream at the Central Waste Complex due to the addition of a very small amount of additional chemicals to this waste stream. These constituents do not remain in the salts left in the Basin that are currently being packaged.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High -- from analytical results.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?
   Sludge, absorbent materials and other crystallized solids.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? No
   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?

"THIRDS" WASTESTREAM DATA INPUT FORM - #14

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna M. Dittmer/Michael W. McCoy

4. Phone Number: 509-376-5698/376-1483 FTS Number: 444-5698/444-1483

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: PNL Laboratory and Plant Operations LLW Wastes (NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste generated through laboratory analyses, scintillation cocktails, and tissue sample preparation as well as the elimination of old samples and research and development materials.

4. Following generation how is/was wastestream managed? Packaged for storage after neutralizing acids and absorbing liquids.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2401-W, 2402-W, 2402-D, 2402-B, MWS, FS-FS7, 03A-TS6

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 4.14
   Building number(s): 2401-W, 2402-W, 2402-D, 2402-B, MWS, FS-FS7, 03A-TS6

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #14

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 4

      Assumptions which may affect generation rate: Work load and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #14

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, Corrosive, Reactive, EP Toxic
All categories are not applicable to each portion of this stream.

2. List all the EPA waste codes applicable to this wastestream:
D001, D002, D003, D006, D007, D009, D011 - This designation is based on constituents from analytical data. It is reported on waste manifests and in the Washington State Dangerous Waste Report.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Combustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)
Cyanide

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #15

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Michael W. McCoy
4. Phone Number: 509-376-5698/376-1483 FTS Number: 444-5698/444-1483
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: PNL Laboratory and Plant Operations TRU Wastes (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste generated through laboratory analyses, scintillation cocktails, and tissue sample preparation as well as the elimination of old samples and research and development materials.
4. Following generation how is/was wastestream managed? Packaged for storage after neutralizing acids and absorbing liquids.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 224-T, 04B-TV7, 04C-T01, 04C-T04

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 8.81
   Building number(s): 224-T, 04B-TV7, 04C-T01, 04C-T04

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #15

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) .5

      Assumptions which may affect generation rate: Work load and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #15

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
<u>Ignitable, EP Toxic</u>

2. List all the EPA waste codes applicable to this wastestream:
<u>D001, D006, D008, D009</u>

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) <u>High</u>

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) <u>TRU</u>

5. Does this waste contain PCBs? <u>No</u>

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? <u>Liquid</u>
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC <u>and</u> <1% TSS). <u>Nonwastewater</u>

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
<u>Mixed</u>

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? <u>N/A</u>

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #16

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Michael W. McCoy
4. Phone Number: 509-376-5698/376-1483 FTS Number: 444-5698/444-1483
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 325 Bldg-Soil containing trace metals (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Soil samples from 300 area characterization. This soil contains trace levels of heavy metals.
4. Following generation how is/was wastestream managed? Packaged for storage and sent to Central Waste Complex.

   a. Initial destination: Storage/Treatment
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2402-W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 0.21
   Building number(s): 2402-W

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #16

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3)

      Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #16

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D006, D007, D008, D009, D011

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?
   Soil

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #17

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Tom R. Pauly
4. Phone Number: 509-376-5698/373-3492 FTS Number: 444-5698
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: LLW Lead
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Decontamination and decommissioning of facilities, and removal of lead associated with the site-wide reduction of lead inventory across the Hanford Site. Lead was removed from the various plants and facilities and packaged for storage.
4. Following generation how is/was wastestream managed? Lead was removed from the various facilities and placed in drums for storage prior to final treatment.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2402-B, 2402-W, 03A-TS6

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 106
   Building number(s): 2402-B, 2402-W, 03A-TS6

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #17

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for assay, decontamination (or other appropriate treatment), and recycling (planned 9/99). Definitive treatment remains to be determined as the stream is submitted to and evaluated at the WRAP facility.

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable

      Assumptions which may affect generation rate: The generation of this waste stream is correlated to the ongoing cleanup and removal of lead from use across the entire Hanford Site.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #17

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?
   Solid lead shielding with, in some cases, a small amount of rags, paper and other material from the cleanup of this stream.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #18

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Tom R. Pauly
4. Phone Number: 509-376-5698/373-3492 -- FTS Number: 444-5698
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: TRU Lead
   (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Decontamination and decommissioning of facilities, and removal of lead associated with the Site-wide reduction of lead inventory across the Hanford Site. Lead was removed from the various plants and facilities and packaged for storage.
4. Following generation how is/was wastestream managed? Lead was removed from the various facilities and placed in drums for storage prior to final treatment.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 04C-T01, 04C-T29, 04C-T20, 03A-TS6, 04B-T11, 03A-T17, 04C-T07, 224T-L01, 2401W, 2402W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 117
   Building number(s): 2401W, 2402W, 03A-TS6, 04C-T01, 04C-T29, 04C-T20, 04B-T11, 034-T17, 04C-T07, 224T-L01

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #18

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for assay, decontamination (or other appropriate treatment), and recycling (planned 9/99). Definitive treatment of this stream remains to be determined as it is submitted to and evaluated by the WRAP facility.

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable

      Assumptions which may affect generation rate: The generation of this waste stream is correlated to the ongoing cleanup and removal of lead from use across the entire Hanford Site.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #18

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?
   Solid lead shielding with, in some cases, a small amount of rags, paper and other material from the cleanup of this stream.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #19

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Everett A. Weakley
4. Phone Number: 509-376-5698/376-6122 FTS Number: 444-5698/444-6122
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 333 & 334-A Buildings - LLW (includes 'HF & HNO3 Absorbed on Kitty Litter' from National Report)
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste generated through cleanup of waste acid treatment system and one-time cleanup of an acid spill.
4. Following generation how is/was wastestream managed? Materials from spill cleanup were packaged for storage after absorbing liquids in twice the volume of absorbent. Sludge from waste acid treatment system was neutralized prior to packaging for storage.

   a. Initial destination: Storage
   b. T, S, or D unit name: 303-K Storage Facility
   c. T, S, or D building number(s): 303-K

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 1.89
   Building number(s): MWS

   Unit name: 303-K Storage Facility Quantity (m^3): 0.42
   Building number(s): 303-K
   (Will be moved to CWC prior to 6/90)

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #19

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 1 - approximation of remaining waste

      Assumptions which may affect generation rate: Remaining waste is that which will be generated for decontamination and decommissioning of the waste acid treatment system. This will be accomplished and all remaining waste generated prior to January 1, 1991.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #19

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic (Ignitable and Corrosive are uncertain categorizations. Please see explanation for question 2 below.)

2. List all the EPA waste codes applicable to this wastestream:
D001, D002, D007 - Designation based on results from analytical data at point of generation of stream. This code is reported on Waste Manifests and the Washington State Dangerous Waste Report. The acid was neutralized to reduce corrosivity, and this stream in its current dilute and treated form is not ignitable. D001, D002 may therefore be questionable.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High - for stream at point of generation.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Absorbent materials and sludge.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Mixed

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #20

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Richard W. Bloom
4. Phone Number: 509-376-5698/376-9456 FTS Number: 444-5698/444-9456
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: Ethanol-NaOH from FFTF sodium cleanup
   (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste generated through removal of sodium from FFTF reactor components. The sodium is washed with ethanol and water.
4. Following generation how is/was wastestream managed? Packaged for storage in an overpacked container filled with absorbent.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): FS-FS7

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 0.42
   Building number(s): FS-FS7

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #20

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 0.42

      Assumptions which may affect generation rate: Processes and workload do not change. This generation rate is based on an annual cleaning (out) of a Material Open Test Assembly (MOTA) as a result of test irradiation at FFTF. FFTF reactor termination or continued operation does not require the additional cleaning of other material using this method to support maintenance of the reactor or placing the reactor in an industrially safe condition.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #20

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D001, D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).
   Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Combustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #21

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Michael T. Stankovich
4. Phone Number: 509-376-5698/373-1555 FTS Number: 444-5698/444-1555
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 100 Area DRD Lab & Plant Operations LLW (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Generated through maintenance of defense reactor.
4. Following generation how is/was wastestream managed? Liquid is either absorbed or packed in a labpack.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2401-W, 2402-W, 2402-B, FS-FS7

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 60.39
   Building number(s): 2401-W, 2402-W, 2402-B, FS-FS7

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #21

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Less than 15

      Assumptions which may affect generation rate: Work load and processes do not change. When ion exchange columns are changed out, the generation rate will increase.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #21

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, Corrosive, EP Toxic, Listed
All categories are not applicable to all waste generated in this stream.

2. List all the EPA waste codes applicable to this wastestream:
D001, D002, D004, D005, D006, D007, D008, D009, D010, D012, U161, U080 - These designations are based on constituents from analytical data. It is reported on waste manifests and in the Washington State Dangerous Waste Report.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid and solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?
   Absorbent materials.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater
   The liquid portion is liquid packed in labpacks.

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible - neither the liquids packed in labpacks nor the solids (liquids that have been absorbed in twice the absorbent) are combustible.

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? No

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #22

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Don Sommer/Tom Pauley
4. Phone Number: 509-376-8594/373-3492 FTS Number: 444-8594/444-3492
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No.
2. Unique Common Name: Transuranic (TRU) Crushed Fluorescent Tubes (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Wastestream was/is generated from routine facility operations involved in the clean up of fluorescent light tubes and light fixtures.
4. Following generation how is/was wastestream managed? Fluorescent light tubes were removed from the various facilities and placed in drums for storage prior to final treatment.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2401W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 76.9
   Building number(s): 2401W

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #22

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable

      Assumptions which may affect generation rate: The generation of this waste stream is correlated to the ongoing change out and removal of fluoroscent light tubes from across the entire Hanford Site.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #22

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D001, D006, D008, D009

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? Yes [PCB laden light ballasts contain 1 to 2 oz. (>500 ppm) of PCB fluid within ballasts].

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Metal, Crushed Glass

b. If liquid, is it: Wastewater, or nonwastewater?
(NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
Noncombustible
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

a. If yes, has the process been started?

b. Has the delisting petition been submitted to EPA?

1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #23

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Don Sommer/Harlan Boynton
4. Phone Number: 509-376-8594/373-2042 FTS Number: 444-8594/444-2042
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No.
2. Unique Common Name: Transuranic (TRU) Polychlorinated Biphenyls (PCBs) (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Wastestream was/is generated from routine facility operations involved in the changeout of facility hydraulic system oils.
4. Following generation how is/was wastestream managed? Fluid containing PCBs were removed from the various site-wide facilities and placed in drums for storage prior to final treatment.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2401W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 8.4
   Building number(s): 2401W

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #23

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? No

a. If yes, Unit name:
Building number:

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Treatment for this wastestream is under evaluation at two potential sites, Idaho National Engineering Laboratory & Los Alamos National Laboratory. After selection of a treatment site, plans will be made to ship the wastestream to the treatment facility for treatment.

1. If yes, Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?
Comments: This will be negotiated with the candidate site selected for treatment.

8. Is this wastestream still generated? No, except for soil-contaminated areas that may be discovered during the site-wide cleanup effort.

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) Unknown - see below

Assumptions which may affect generation rate: The generation of this waste stream is correlated to the ongoing cleanup across the entire Hanford Site. As areas of PCB-contaminated soil are discovered, the waste will be cleaned up and packaged appropriately. This is the only source of TRU PCBs at Hanford.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #23

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable - Diesel fuel used to flush out the oil is considered ignitable.

2. List all the EPA waste codes applicable to this wastestream: D001

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? Yes

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid and solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Paper, rags and plastic co-contaminated or absorbed with PCB laden hydraulic fluid. Nearly half of this waste consists of cleanup materials.

   b. If liquid, is it: Wastewater, or nonwastewater? Nonwastewater
(NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Combustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #24

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna M. Dittmer/Michael E. Thurman

4. Phone Number: 509-376-5698/376-5657 FTS Number: 444-5698/444-5657

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Mercury waste from 340 Facility Cleanup
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste generated through cleanup of a mercury vacuum line to facilitate final closeout of the line.

4. Following generation how is/was wastestream managed? Packaged for storage via the following procedure: Mercury extracted from the charcoal filter was amalgamated in a break-proof container and packaged in a 4 mil minimum plastic bag. The mercury contaminated filter was cemented in a 5 quart can, sealed and placed in a 4 mil minimum plastic bag. The plastic filter casing was placed in a 4 mil minimum plastic bag. All wastes were placed in a 55 gallon drum.

a. Initial destination: Storage
b. T, S, or D unit name: Central Waste Complex
c. T, S, or D building number(s): 2402W-L01

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Central Waste Complex Quantity (m^3): 0.21
Building number(s): 2402W-L01

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #24

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3)

      Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #24

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D009

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Other -- see packaging description in Part II, Question 4.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #25

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna Dittmer/Don Sommer/Rick Raymond

4. Phone Number: 509-376-5698/373-2785 ETS Number: 444-5698/444-2785

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Single-Shell Tank Wastes
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This waste has been generated through a variety of analytical processes, decladding and extraction processes, and various associated site-wide operations. This stream is from various site activities prior to 1980.

4. Following generation how is/was wastestream managed? This wastestream resides in single-shell tanks.

   a. Initial destination: Storage
   b. T, S, or D unit name: Single-Shell Tanks
   c. T, S, or D building number(s): A, AX, B, BX, BY, C, S, SX, T, TX, TY, U Tank Farms; total of 149 Single-Shell Tanks.

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Single-Shell Tanks Quantity (m^3): 139500
   Building number(s): A, AX, B, BX, BY, C, S, SX, T, TX, TY, U Tank Farms; total of 149 Single-Shell Tanks.

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #25

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream resides in single-shell tanks. A portion of the interstitial liquid will be pumped to double-shell tanks and be subject to that treatment protocol. The remainder of the stream, which includes liquids, solids and sludges, must be further evaluated before treatment decisions can be made.

      Building number: Not yet available.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No (Water is occasionally added to the tanks if necessary).

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3)

      Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #25

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic - See question 2 (below)

2. List all the EPA waste codes applicable to this wastestream:
D002, D005, D006, D007, D008, D009, D010, D011 -- These designations are tentative (based on processes) and subject to the results of the ongoing analyses and characterization of this stream as described in the Waste Characterization Plan. The results of this analysis will determine the proper EPA waste code designations and RCRA categories. (Please see Attachment 1, Item 5)

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Low. Confidence will increase once necessary sampling and analysis is completed.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) HLW, TRU, LLW. All levels exist; better definitions will be available upon completion of analyses.

5. Does this waste contain PCBs? This wastestream is currently being analyzed for PCBs.

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? This wastestream is multiphased. Most tanks contain sludges and some interstitial liquid. Some tanks also have crystalline solids.
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? See above.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater. The liquid portion of this stream is primarily nonwastewater; however, some supernatent liquid is likely to be wastewater.

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) (NOTE: Mixed contains at least 10% volume of both). Noncombustible.

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)
Analysis is currently underway to determine applicable categories.

9. Is this waste a candidate for delisting? Some portions may be, but no action has been taken to date.
   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #26

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna Dittmer/Don Sommer/Bob Shaver
4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: Double-Shell Slurry and Slurry Feed
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: This wastestream is generated from evaporating dilute non-complexed waste. This stream is from various site activities prior to 1980. It has been concentrated and condensed through evaporation and is currently in storage prior to final treatment.
4. Following generation how is/was wastestream managed? This wastestream resides in double-shell tanks.

   a. Initial destination: Storage
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-SY, 103-SY

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 3600
   (This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling).
   Building number(s): 101-SY, 103-SY

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #26

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream resides in double-shell tanks. This waste is planned to be retrieved, diluted and grouted for final disposal.

      Building number: 243-G1

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable

      Assumptions which may affect generation rate:
      Stream is generated from cleanup activities and is dependent upon evaporator operation. Slurry growth, a natural expansion of existing slurry waste, also contributes to this stream.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream?
      Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #26

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, Corrosive, Reactive, EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011 - These designations are based on constituents from the point(s) of generation, and were reported in the Washington State Dangerous Waste Report.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium -- based on process knowledge.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW and TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Mixed

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #27

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: J.E. Tarcza/S.N. Cory

4. Phone Number: 376-1844/373-2445 FTS Number: 444-1844/444-2445

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: B Plant Mixed Waste
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste is from routine maintenance and painting operations at B Plant, one time decontamination of equipment, cleanup of spills, and spent lead acid batteries with acid removed.

4. Following generation how is/was wastestream managed? Liquids are absorbed or placed in labpacks. Waste is packaged appropriately in approved containers for storage at the Central Waste Complex.

a. Initial destination: Storage
b. T, S, or D unit name: Central Waste Complex
c. T, S, or D building number(s): FS-FS8, 2402B-L01, 2402D-L01, 2402W-L01

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Central Waste Complex Quantity (m^3): 3.81
Building number(s): FS-FS8, 2402B-L01, 2402D-L01, 2402W-L01

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #27

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).
      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes.

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable. Approximately 4.57 to 5.72 m^3.

      Assumptions which may affect generation rate: A portion of this waste stream will continue to be generated, primarily paint waste, as a part of the normal maintenance operations at 8 Plant. A major impact upon the generation rate will be the result of a waste minimization effort. The initiation of waste processing operations will increase waste generation.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #27

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic, Corrosive and Ignitable

2. List all the EPA waste codes applicable to this wastestream:
D001, D002, D006, D008, D009
F003, D007, F002, and F005 may also be generated in the future.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low): High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW): LLW -- TRU waste will also be generated when B Plant is operating as a Waste Pretreatment Facility.

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solids and liquids
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Sludge, absorbent materials, soils, and other solids.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).
   Non-wastewater - liquids are in form of labpacks.

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Mixed
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #28

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Don Sommer/Bob Shaver
4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 100 Area Phosphate LLW in Double-Shell Tanks (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: This wastestream is generated from the decontamination of 100 N Reactor's primary system.
4. Following generation how is/was wastestream managed? This wastestream is sent to double-shell tanks for storage prior to evaporator processing. The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

   a. Initial destination: Storage (prior to evaporator processing)
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-AW, 102-AW, 102-AN, 103-AN, 104-AN, 105-AN, 102-AP, 104-AP, 105-AP, 106-AP
5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 3600
   Building number(s): 101-AW, 102-AW, 102-AN, 103-AN, 104-AN, 105-AN, 102-AP, 104-AP, 105-AP, 106-AP
6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #28

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream was removed from the 100 N Reactor's primary system following a one-time reactor decontamination to double-shell tanks. It will then be sent to the evaporator prior to being grouted.

      Building number: 242-A, 243-G1.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) No further generation is planned.

      Assumptions which may affect generation rate: No further generation takes place.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #28

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D002, D005 - This designation is based on constituents at the point of generation and is reported in the Washington State Dangerous Waste Report.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium - from process knowledge

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? No

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #29

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Don Sommer/Harlan Boynton
4. Phone Number: 509-376-8594/373-2042 FTS Number: 444-8594/444-2042
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Low-Level Waste (LLW) Polychlorinated Biphenyls (PCBs). Some PCBs (5.7 m^3) were reported in the September 19, 1989 National Report under the name of PFP PCB contaminated hydraulic fluids.
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Wastestream was/is generated from routine facility operations involved in the changeout and flushing of facility hydraulic system oils, as well as cleanout of PCBs from other facility process contaminated equipment containing PCBs.

4. Following generation how is/was wastestream managed? PCBs were removed from the various facilities and placed in drums for storage prior to final treatment.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2402B, 2401W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 63.63
   Building number(s): 2402B, 2401W

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #29

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? No

   a. If yes, Unit name:
      Building number:

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Treatment for this wastestream is under evaluation at two potential sites, Idaho National Engineering Laboratory & Los Alamos National Laboratory. After selection of a treatment site, plans will be made to ship the wastestream to the treatment facility for treatment.

      1. If yes, Unit name:
         Building number:

         Unit name:

         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments: This will be negotiated with the candidate site selected for treatment.

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable

      Assumptions which may affect generation rate: The generation rate of this waste stream is correlated to the ongoing cleanup and removal of PCBs from across the entire Hanford Site.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #29

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable, EP Toxic

2. List all the EPA waste codes applicable to this wastestream: D001, D005, D007, D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? Yes

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquids and solids.
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Paper, rags and plastic co-contaminated or absorbed with PCB laden hydraulic fluid. Nearly half of this waste consists of cleanup materials.

   b. If liquid, is it: Wastewater, or nonwastewater? Nonwastewater
(NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Combustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #30

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Don Sommer/John Belcher

4. Phone Number: 509-376-8594/373-5384 FTS Number: 444-8594/444-5384

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No

2. Unique Common Name: 221-T Decon Wastewater Solution
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This stream consists of decontamination byproducts, steam condensate from radiation zone areas, and housekeeping cleanup water.

4. Following generation how is/was wastestream managed? Wastestream collects into Tank 15-1. After tank is determined to be full (10,000 to 12,000 gallons) the waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity. This is the amount that was present April 1, 1990.

a. Initial destination: Holding
b. T, S, or D unit name: Tank 15-1
c. T, S, or D building number(s): 221-T

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Tank 15-1 Quantity (m^3): 26.5
Building number(s): 221-T

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #30

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream?

   a. If yes, Unit name: This stream will be submitted to the Grout Treatment Facility for final treatment.

   Building number: 243-G1.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

      Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3)

   Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #30

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic.

2. List all the EPA waste codes applicable to this wastestream:
D002, D005

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium - from process knowledge

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Nonwastewater
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed): Noncombustible
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question I), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #31

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Don Sommer/Bob Shaver
4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 100 Area Sulfate LLW in Double-Shell Tanks (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: This wastestream is generated by ion-exchange column regeneration from sulfuric acid rinsing.
4. Following generation how is/was wastestream managed? This wastestream is sent to double-shell tanks for storage. The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

   a. Initial destination: Storage
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 102-AY, 101-AW, 102-AW, 106-AW, 101-AN, 103-AN, 104-AN, 105-AN, 102-AP, 103-AP, 104-AP, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 1800
   Building number(s): 102-AY, 101-AW, 102-AW, 106-AW, 101-AN, 103-AN, 104-AN, 105-AN, 102-AP, 103-AP, 104-AP, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #31

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream is currently moved from the ion-exchange columns to double-shell tanks. Then it is sent to the evaporator prior to being grouted.

      Building number: 242-A, 243-G1.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 190 to 280

      Assumptions which may affect generation rate: Work load and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #31

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium - from process knowledge

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? No

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #32

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna Dittmer/Don Sommer/Bob Shaver

4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Fuel Fab Dilute Non-Complexed Waste in DSTs (NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This wastestream is generated by Fuels Fabrication (liquid waste from N Reactor fuel fabrication).

4. Following generation how is/was wastestream managed? This wastestream was sent to double-shell tanks for storage. This wastestream has been mixed with other dilute non-complexed wastestreams during collection and storage prior to treatment at 242-A Evaporator. The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

   a. Initial destination: Storage
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-AY, 102-AY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 106-AN, 107-AN, 103-AP, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 290 (This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling). Building number(s): 101-AY, 102-AY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 106-AN, 107-AN, 103-AP, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes.

"THIRDS" WASTESTREAM DATA INPUT FORM - #32

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream resides in double-shell tanks for storage. It will be sent to the 242-A Evaporator prior to being grouted.

      Building number: 242-A, 243-G1.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3)

      Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #32

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium - based on process knowledge

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #33

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: J.E. Tarcza/L.J. Estey

4. Phone Number: 376-1844/373-4107 FTS Number: 444-1844/444-4107

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No

2. Unique Common Name: 2345Z Transuranic Mixed Waste
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste is generated from decontamination of process equipment.

4. Following generation how is/was wastestream managed? Waste is treated before packaging. Absorbent material is used to absorb any free liquids. Waste is packaged in approved containers before shipment to TRUSAF.

a. Initial destination: Storage
b. T, S, or D unit name: TRUSAF
c. T, S, or D building number(s): 224T-L01, 224T-L02, 224T-L03

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: TRUSAF Quantity (m^3): 1.26 m^3
Building number(s): 224T-L01, 224T-L02, 224T-L03

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #33

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).
      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Approximately 3

      Assumptions which may affect generation rate: That workload and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #33

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic and Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002, D005, D006, D007, D008 and D009

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low): High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW): TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Rags, paper, absorbent material, dry cell batteries, lead waste, paint chips.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Mixed. Approximately 40% of the waste is combustible.

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #34

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Donald J. Sommer/Richard W. Bloom
4. Phone Number: 509-376-8594/376-9456 FTS Number: 444-8594/444-9456
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: Alkali Metal Waste - Low Specific Activity (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Alkali metal waste (sodium metal) is currently generated from refueling operations associated with FFTF reactor. The majority of past waste generation has been associated with repair and decommissioning operations associated with radioactively contaminated Liquid Metal Reactor (LMR) equipment. Significant future waste generation can be anticipate with decommisioning activities associated with both the FFTF and the SP-100 reactors.
4. Following generation how is/was wastestream managed? Packaged for storage.

   a. Initial destination: Storage
   b. T, S, or D unit name: 4843 Alkali Metal Storage Facility
   c. T, S, or D building number(s): 4843

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Alkali Metal Storage Fac. Quantity (m^3): 13
   Building number(s): 4843

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #34

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes/No

   a. If yes, Unit name: Portions of this stream will be treated at the Maintenance and Storage Facility (MASF)

      Building number: 437

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes/No

      1. If yes, Unit name: See comment below

      2. Do you have approval to treat this wastestream at the other site(s)?

   Comments: The facility has not initiated operations due to lack of need and funding constrants. Current design capability is limited to small quantity of sodium residuals. Bulk sodium waste treatment capability is currently not available at Hanford or at INEL. Sodium recycle at INEL is being evaluated as part of FFTF shutdown planning, along with expanded MASF capabilities. Capability for potential radioactive sodium-potassium alloy (NaK) treatment is being evaluated.

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) .21

      Assumptions which may affect generation rate:
      Above rate represents waste generated associated with current operations. This rate will increase to approximately 5 M^3/Year which would be treated in MASF as generated. 800 M^3 of bulk sodium waste is anticipated with the termination of the FFTF, and an equal quantity of materials will require treatment due to residual sodium contamination.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #34

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, Reactive

2. List all the EPA waste codes applicable to this wastestream:
D001, D003

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid and Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Bulk sodium metal and equipment contaminated with metallic sodium.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).
   Only NaK (sodium-potassium alloy) is a liquid at standard temperatures and a non-wastewater.

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Combustible

8. If reactive (question I), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)
Water Reactive

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #35

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna Dittmer/Don Sommer/Bob Shaver

4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Pre-1980 Dilute Non-Complexed Waste in Double-Shell Tanks
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This wastestream consists of liquid waste from various activities across the site prior to 1980.

4. Following generation how is/was wastestream managed? This wastestream is sent to double-shell tanks for storage. The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

a. Initial destination: Storage
b. T, S, or D unit name: Double-Shell Tanks
c. T, S, or D building number(s): 101-AY, 102-AY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 106-AN, 107-AN, 103-AP, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: Double-Shell Tanks Quantity (m^3): 5900
(This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling).
Building number(s): 101-AY, 102-AY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 106-AN, 107-AN, 103-AP, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #35

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream is sent to double-shell tanks, then it will be sent to the evaporator prior to being grouted.

      Building number: 242-A (Evaporator), 243-G1 (Grout).

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3)

      Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste?

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #35

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic - See question 2 (below)

2. List all the EPA waste codes applicable to this wastestream:
D002, D005, D006, D007, D008, D009, D010, D011 -- These designations are tentative and subject to the results of the ongoing analyses and characterization of this stream as described in the Waste Characterization Plan. The results of this analysis will determine the proper EPA waste code designations and RCRA categories. These codes and categories are based on designations of the source stream (single-shell tanks).

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium -- Confidence will increase once necessary sampling and analysis is completed.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW - only single-shell tank waste characterized as low-level waste is included in this stream.

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? No

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #36

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna M. Dittmer/Don Sommer/Bob Shaver

4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: 300-400 Area Dilute Non-Complexed Waste in DSTs (NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This wastestream is generated by 300-400 Area Laboratory Waste (liquid waste from 300 and 400 Area laboratories).

4. Following generation how is/was wastestream managed? This wastestream is sent to double-shell tanks for storage. This wastestream may be mixed with other dilute non-complexed wastestreams during collection and storage prior to treatment at 242-A Evaporator. The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

   a. Initial destination: Storage\Treatment
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-AY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 103-AP, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 940 (This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling). Building number(s): 101-AY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 103-AP, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #36

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream is sent to double-shell tanks, then it will be sent to the evaporator prior to being grouted.

      Building number: 242-A (Evaporator), 243-G1 (Grout).

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 800

      Assumptions which may affect generation rate: Workload and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream? Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #36

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium - Based on process and treatment knowledge.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N\A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #37

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Lorna M. Dittmer/Don Sommer/Bob Shaver
4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: Complexed Low Level Waste (LLW) in Double-Shell Tanks
   (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: This wastestream is old waste associated with various activities across the site. This waste has been concentrated in the evaporator.
4. Following generation how is/was wastestream managed? This wastestream resides in double-shell tanks. The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity.

   a. Initial destination: Storage/Treatment
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-AY, 101-SY, 103-SY, 102-AW, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 6300
   (This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling).
   Building number(s): 101-AY, 101-SY, 103-SY, 102-AW, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #37

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream resides in double-shell tanks. Complexed waste will be treated at the B Plant Pretreatment Facility where the complexants will be destroyed, the high level waste will be sent to vitrification and the low level waste will be sent to the grout facility.

      Building number: 221-B (B Plant), 243-G1 (Grout), vitrification building number is not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? No

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3)

      Assumptions which may affect generation rate:

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #37

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Ignitable, Corrosive, EP Toxic, and possibly Reactive. (See question 2).

2. List all the EPA waste codes applicable to this wastestream:
D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011. These designations are based on chemical analysis reports from facilities (at the point of generation of wastestream) and from the Part A Permit Application. D001 may not be applicable due to its current dilute form. D003 is a tentative designation. Further analysis is necessary to confirm this.

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Low -- further analysis will yield more conclusive results.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater.

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)
Undetermined -- See question 2

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #38

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna Dittmer/Don Sommer/Bob Shaver

4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: Salt Well Dilute Non-Complexed & Complexed Waste in DSTs
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This wastestream is pumped from single-shell tanks. These tanks contain salts along with free and interstitial liquid. To remove that last amount of water, a well is made in the salt. This well collects the liquid so it can be pumped. The portion of this waste that is complexed ranges from 14 to 47%.

4. Following generation how is/was wastestream managed? This wastestream is segregated and sent to double-shell tanks for storage. The components may be mixed with other dilute non-complexed or complexed wastestreams during collection and storage prior to treatment at the 242-A Evaporator.

   a. Initial destination: Storage/Treatment
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-AY, 103-SY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 4100 (This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling).
   Building number(s): 101-AY, 103-SY, 101-AW, 102-AW, 106-AW, 101-AN, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #38

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be sent to the evaporator prior to being treated. The non-complexed portion will be grouted; the complexed portion will be sent to B Plant for complexant destruction. It will then be separated for treatment by grout or vitrification as appropriate.

      Building number: 221-B (B Plant) 242-A (Evaporator), 243-GI (Grout).

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Variable. Approximately 900 m^3 is estimated for 1990.

      Assumptions which may affect generation rate: Stream is generated from ongoing single-shell tank liquid waste transfer to double-shell tanks. The generation rate varies annually; all salt-well liquid is scheduled to be pumped to DSTs by 1996.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream? Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #38

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive, EP Toxic - See question 2 (below)

2. List all the EPA waste codes applicable to this wastestream:
D002, D005, D006, D007, D008, D009, D010, D011 -- These designations are tentative and subject to the results of the ongoing analyses and characterization of this stream as described in the Waste Characterization Plan. The results of this analysis will determine the proper EPA waste code designations and RCRA categories. These codes and categories are based on designations of the source stream (single-shell tanks).

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium -- Confidence will increase once necessary sampling and analysis is completed.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW - only single-shell tank waste characterized as low-level waste is included in this stream.

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #39

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON

2. DOE Site: HANFORD

3. Prepared by: JOHN A. DAWSON / BOB BOWERSOCK

4. Phone Number: 509-376-7345 FTS Number: 444-7345

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No

2. Unique Common Name: PUREX Tunnels 1 and 2 (mercury)
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated:
The mercury waste is contained in failed/obsolescent dissolver equipment.

4. Following generation how is/was wastestream managed?

a. Initial destination: Storage
b. T, S, or D unit name: PUREX Tunnels 1 and 2
c. T, S, or D building number(s): Tunnel 1: 218-E-14, Tunnel 2: 218-E-15

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

Unit name: PUREX Tunnels 1 and 2 Quantity (m^3): 0.01
Building number(s): 218-E-14, 218-E-15

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes go to question 7). At this time it has not been determined if treatment will be required for this waste.

"THIRDS" WASTESTREAM DATA INPUT FORM - #39

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? See question 6.

   a. If yes, Unit name:
      Building number:

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? YES

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 0.02 (from Part A Permit)

      Assumptions which may affect generation rate:
      Generation rate is based solely on failure/obsolescence rate of equipment.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #39

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) EP Toxic

2. List all the EPA waste codes applicable to this wastestream: D009

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Nonwastewater
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
Noncombustible
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions). NA
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #40

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON

2. DOE Site: HANFORD

3. Prepared by: JOHN A. DAWSON / BOB BOWERSOCK

4. Phone Number: 509-376-7345 FTS Number: 444-7345

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? NO

2. Unique Common Name: PUREX Tunnels 1 and 2, (Lead, silver)
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated:
The lead and silver waste comes from failed/obsolescent equipment. The lead waste is transferred from storage at the PUREX canyon waste piles and the silver is contained in failed/obsolescent reactor equipment.

4. Following generation how is/was wastestream managed?

a. Initial destination: Storage
b. T, S, or D unit name: PUREX Tunnels 1 and 2
c. T, S, or D building number(s): Tunnel 1: 218-E-14, Tunnel 2: 218-E-15

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

Unit name: PUREX Tunnels 1 and 2 Quantity (m^3):
Lead: 0.26
Building number(s): 218-E-14, 218-E-15
Silver: 0.2

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes go to question 7). At this time it has not been determined if treatment will be required for this waste.

"THIRDS" WASTESTREAM DATA INPUT FORM - #40

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? See question 6.

   a. If yes, Unit name:
      Building number:

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? YES

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Lead: 0.05, silver: 0.01 (from Part A Permit)

      Assumptions which may affect generation rate:
      Generation rate is based solely on failure/obsolescence rate of equipment.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #40

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable, EP Toxic

2. List all the EPA waste codes applicable to this wastestream: D001, D008, D011

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Lead: metal; Silver: in the form of silver salts (silver halide and silver nitrate salts)

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
Noncombustible
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions). NA
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #41

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / CRAIG BARRINGTON
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name:
(NOTE: If reported in National Report use same name).
PRF development and analytical lab waste
PRF low salt waste
PRF high salt waste
3. Describe how the wastestream is/was generated:
Low salt wastes are generated during development and analysis of new processes and plutonium recovery processes. High salt wastes are generated during plutonium recovery processes.
4. Following generation how is/was wastestream managed? Stream is treated to adjust the pH to 12.5 to reduce tank corrosivity.

a. Initial destination: Treatment\Storage
b. T, S, or D unit name: Double-shell tank
c. T, S, or D building number(s): Tank: 241-SY-102

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

Unit name: Double-shell tank Quantity (m^3): 1,858
Building number(s): Tanks: 241-AY-102, 241-SY-102, 241-AW-101, 102 & 106, 241-AN-103, 104, 105 & 107, 241-AP- 103, 105 & 106

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #41

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: The liquid portion of the waste goes to the evaporator and to the grout facility. The solids will go to B-Plant for separation of TRU and low level (planned 10/98). The TRU solids will go to the vitrification facility (planned 12/99) and the low level solids will go to grout.
   Building number: Not yet available.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
      Building number:

      Unit name:
      Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

      Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3) 1.136

   Assumptions which may affect generation rate:
   Generation rate is based on the PRF operating 10 months per year.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes
   a. If yes, what is unique common name of this wastestream?
   Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #41

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Corrosive, EP Toxic

2. List all the EPA waste codes applicable to this wastestream: D002, D007, D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) Medium - based on process knowledge and historical data.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Nonwastewater
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Noncombustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). N/A
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #42

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / MIKE HALL
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No

2. Unique Common Name: 222-S laboratory waste
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated:
Chemical wastes from routine laboratory testing and removal of outdated chemicals.

4. Following generation how is/was wastestream managed? The waste is labpacked and sent to storage.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex and Retreivable Storage Unit
   c. T, S, or D building number(s): FS, 2401W, 2402B, 2402W and 03A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

   Unit name: Central Waste Complex Quantity (m^3): 2.4
   Building number(s): FS, 2401W, 2402B, 2402W

   Unit name: Retreivable Storage Unit Quantity (m^3): 1.3
   Building number(s): 03A

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #42

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This waste will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment. (Planned 9/99)
   Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
      Building number:

      Unit name:
      Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

      Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

   If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
   Otherwise, provide generation rate.

   Generation rate: Per year (m^3) Approximately 2.4

   Assumptions which may affect generation rate:
   The generation rate may be related to the types and numbers of tests performed on samples taken from single and double shell tanks and the grout facility.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #42

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable, Corrosive, Reactive, EP Toxic

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D003, D009

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Nonwastewater
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Combustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive) Cyanide

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #43

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: PUREX TRU maintenance
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated:
The waste was generated from maintenance and support activities.
4. Following generation how is/was wastestream managed? The waste was packaged and sent to storage.

a. Initial destination: Storage
b. T, S, or D unit name: Retreivable Storage Units (RSU)
c. T, S, or D building number(s): 03A

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

Unit name: Retreivable Storage Unit Quantity (m^3): 1
Building number(s): 03A

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #43

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: The Waste will be processed through the planned Waste Receiving and Processing Facility (WRAP) planned 9/99.
Building number: Not yet available.

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? Yes

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) 4

Assumptions which may affect generation rate:
Generation rate is based on level of maintenance and support activities.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #43

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Corrosive

2. List all the EPA waste codes applicable to this wastestream: D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Rags, metal, paper

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Mixed
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). NA

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #44

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? NO
2. Unique Common Name: PUREX LLW maintenance
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated:
The waste was generated from maintenance and support activities.
4. Following generation how is/was wastestream managed? The waste was packaged and sent to storage.
   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex (CWC), and Retreivable Storage Units (RSU)
   c. T, S, or D building number(s): CWC: 2402W, 2402D, 2402B, 2401W, MWS, FS, RSU: 03A
5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

   Unit name: Central Waste Complex Quantity (m^3): 7
   Building number(s): 2402W, 2402D, 2402B, 2401W, MWS, FS

   Unit name: Retreivable Storage Unit Quantity (m^3): < 1
   Building number(s): 03A
6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #44

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: The waste will be processed through the planned Waste Receiving and Processing Facility (WRAP) planned 9/99.
Building number: Not yet available.

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? Yes

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) 6

Assumptions which may affect generation rate:
Generation rate is based on level of maintenance and support activities.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #44

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Ignitable, corrosive, reactive, EP toxic, listed

2. List all the EPA waste codes applicable to this wastestream: D001, D002, D003, D006, D009, U002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Rags, metal, paper

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Mixed
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). Explosive

9. Is this waste a candidate for delisting? No

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #45

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / MIKE HALL
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes
2. Unique Common Name: 222-S Treatment Tanks
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated:
The aqueous mixed liquid wastes include aqueous phase wastes from radiochemical separation processes, discarded samples, and liquid decontamination wastes.
4. Following generation how is/was wastestream managed? The waste is treated with caustic to adjust pH to 12 and sodium nitrite to control tank corrosivity.

a. Initial destination: Treatment/Storage
b. T, S, or D unit name: Treatment: 222-S Treatment Tanks
c. T, S, or D building number(s): Treatment: 219-S

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990

Unit name: Double shell tank farms
Quantity (m^3): 740
Building number(s): Tanks 241-AY-102, 241-SY-102, 241-AW-101 &102, 241-AN-103, 104, 105, &107, 241-AP-103, 105 &106

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #45

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This wastestream will be treated at the evaporator and the grout facility.
      Building number: 242-A (Evaporator), 243-G1 (Grout)

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 180

      Assumptions which may affect generation rate:
      The generation rate is based on no changes to the workload and processes.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream?
      Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #45

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Corrosive

2. List all the EPA waste codes applicable to this wastestream: D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Liquid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater? Wastewater
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions). NA
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #46

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / BOB BOWERSOCK
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: PUREX Canyon Waste Piles (Lead)
   (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Waste comes from failed or obsolete radioactive process jumpers with lead counterweights and lead cut from jumpers.
4. Following generation how is/was wastestream managed? Placed in storage.

   a. Initial destination: Storage
   b. T, S, or D unit name: PUREX Canyon Waste Piles
   c. T, S, or D building number(s): 202-A
5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

   Unit name: PUREX Canyon Waste Piles Quantity (m^3): 0.1
   Building number(s): 202-A

   Unit name: Quantity (m^3):
   Building number(s):
6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). At this time it has not been determined if treatment will be required for this waste.

"THIRDS" WASTESTREAM DATA INPUT FORM - #46

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? See question 6.

   a. If yes, Unit name:
      Building number:

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 0.1 (From Part A Permit)
      Assumptions which may affect generation rate:
      Generation rate is based solely on failure/obsolescence rate of equipment.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? NA

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #46

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) EP Toxic

2. List all the EPA waste codes applicable to this wastestream: D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? NO

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Metal

   b. If liquid, is it: Wastewater, or nonwastewater?
(NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Noncombustible
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions). NA
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? NA

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #47

I. Contact Information

1. DOE Field Office: RICHLAND, WASHINGTON
2. DOE Site: HANFORD
3. Prepared by: JOHN A. DAWSON / DON MERRICK
4. Phone Number: 509-376-7345 FTS Number: 444-7345
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No
2. Unique Common Name: PFP, T & S Plants TRU solids
(NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated:
TRU solids settle out of process aqueous wastes received from PFP, T, and S Plants and stored in a double shell tank. Vast majority (>95%) of TRU solids originate from PFP.
4. Following generation how is/was wastestream managed?

a. Initial destination: Storage
b. T, S, or D unit name: Double-shell tank
c. T, S, or D building number(s): Tank 241-SY-102

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990:

Unit name: Double-shell tank Quantity (m^3): 386
Building number(s): Tank 241-SY-102

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #47

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: The waste will be sent to the B-Plant Pretreatment Facility for separation of TRU from low level solids (planned 10/1998). The TRU solids will go to the waste vitrification facility (planned 12/1999) and the low-level solids will go to the grout facility.
Building number: 221-B (B Plant), 243-G1 (Grout)

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? Yes

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) 475

Assumptions which may affect generation rate:
The generation rate is based on processing 500 metric tons of fuel per year by PUREX.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #47

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed) Corrosive, EP toxic

2. List all the EPA waste codes applicable to this wastestream: D002, D007, D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low) High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Sludge

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed) Noncombustible
   (NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions). N/A
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #48

I. Contact Information

1. DOE Field Office: Richland, Washington
2. DOE Site: Hanford
3. Prepared by: Don Sommer/Tom Pauley
4. Phone Number: 509-376-8594/373-3492 FTS Number: 444-8594/444-3492
5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No.
2. Unique Common Name: Low-Level Waste (LLW) Crushed Fluorescent Tubes (NOTE: If reported in National Report use same name).
3. Describe how the wastestream is/was generated: Wastestream was/is generated from routine facility operations involved in the changeout of fluorescent light tubes from light fixtures.
4. Following generation how is/was wastestream managed? Fluorescent light tubes were removed from the various facilities and placed in drums for storage prior to final treatment.

   a. Initial destination: Storage
   b. T, S, or D unit name: Central Waste Complex
   c. T, S, or D building number(s): 2402B, 2401W, 2402W

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Central Waste Complex Quantity (m^3): 12.13
   Building number(s): 2402B, 2401W, 2402W

   Unit name: Quantity (m^3):
   Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #48

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).

Building number: Not available yet.

b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream?

1. If yes, Unit name:
Building number:

Unit name:
Building number:

2. Do you have approval to treat this wastestream at the other site(s)?

Comments:

8. Is this wastestream still generated? Yes

a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
Otherwise, provide generation rate.

Generation rate: Per year (m^3) Variable

Assumptions which may affect generation rate: The generation of this waste stream is correlated to the ongoing change out and removal of fluorescent light tubes from across the entire Hanford Site.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N/A

a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #48

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream.
(Ignitable Corrosive Reactive EP Toxic Listed) EP Toxic

2. List all the EPA waste codes applicable to this wastestream:
D005, D006, D009

3. Indicate your confidence level in the accuracy of the EPA waste codes.
(High Medium Low) High

4. What is the applicable radioactive category of this wastestream?
(HLW TRU LLW)
LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)?
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids). Solid

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Metal, Crushed Glass.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
Noncombustible
(Combustible Noncombustible Mixed)
(NOTE: Mixed contains at least 10% volume of both).

8. If reactive (question 1), indicate reactive category from 40 CFR 261.23 (see page 3 of instructions).
(Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #49

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: J.E. Tarcza/M.W. Ellis

4. Phone Number: 376-1844/373-1781 FTS Number: 444-1844/444-1781

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? No

2. Unique Common Name: 202A Transuranic Mixed Waste
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: Waste is generated from decontamination and maintenance of process equipment and process byproduct material.

4. Following generation how is/was wastestream managed? Absorbent material is used to absorb any free liquids. Waste is transferred to TRUSAF in DOT 17C 55 gal. containers.

a. Initial destination: Storage
b. T, S, or D unit name: TRUSAF
c. T, S, or D building number(s): 224T-L01, 224T-L02 and 224T-L03

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

Unit name: TRUSAF Quantity (m^3): 24.77m^3
Building number(s): 224T-L01, 224T-L02 and 224T-L03

Unit name: Quantity (m^3):
Building number(s):

6. If initial destination (questions 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #49

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream will be submitted to the planned Waste Receiving and Packaging (WRAP) Facility for treatment (planned 9/99).
      Building number: Not available yet.

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) Approx 2.1m^3 to 3.15m^3

      Assumptions which may affect generation rate: Workload and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? N\A

   a. If yes, what is unique common name of this wastestream?

"THIRDS" WASTESTREAM DATA INPUT FORM - #49

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
EP Toxic and Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002 and D008

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low): High

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW): TRU

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Solid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other? Absorbent material, paper, plastic and rubber.

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS).

7. Indicate whether or not this wastestream is combustible.
(Combustible Noncombustible Mixed) Combustible
   (NOTE: Mixed contains at least 10% volume of both).

Approximately 95% of the waste is combustible material.

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?

   b. Has the delisting petition been submitted to EPA?

      1. If yes, provide date of submittal.

"THIRDS" WASTESTREAM DATA INPUT FORM - #50

I. Contact Information

1. DOE Field Office: Richland, Washington

2. DOE Site: Hanford

3. Prepared by: Lorna Dittmer/Don Sommer/Bob Shaver

4. Phone Number: 509-376-5698/373-1039 FTS Number: 444-5698/444-1039

5. Date Prepared: June 4, 1990

II. Wastestream Management and Quantity Information

1. Was this waste reported as a California List waste in the National Report? Yes

2. Unique Common Name: B Plant Dilute Non-Complexed and Complexed Waste in Double-Shell Tanks
(NOTE: If reported in National Report use same name).

3. Describe how the wastestream is/was generated: This wastestream is generated by B-Plant (miscellaneous liquid waste from hot-cell cleanup).

4. Following generation how is/was wastestream managed? This wastestream is segregated and sent to double-shell tanks for storage.The waste is treated with caustic to adjust pH to >12 and sodium nitrite to control tank corrosivity. It may be mixed with other dilute non-complexed or complexed wastestreams during collection and storage prior to treatment at the 242-A Evaporator.

   a. Initial destination: Storage
   b. T, S, or D unit name: Double-Shell Tanks
   c. T, S, or D building number(s): 101-AY, 102-AY, 101-AW, 102-AW, 106-AW, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 103-AP, 105-AP, 106-AP

5. For each unit in which the wastestream is currently stored, what is the total quantity of this wastestream in storage as of April 1, 1990.

   Unit name: Double-Shell Tanks Quantity (m^3): 11000
   (This number represents the part of the total waste in each of these tanks which was contributed by this wastestream and its handling).
   Building number(s): 101-AY, 102-AY, 101-AW, 102-AW, 106-AW, 102-AN, 103-AN, 104-AN, 105-AN, 107-AN, 103-AP, 105-AP, 106-AP

6. If initial destination (question 4a) of this wastestream is/was storage, is treatment required before disposal? (If yes, go to question 7). Yes

"THIRDS" WASTESTREAM DATA INPUT FORM - #50

II. Wastestream Management and Quantity Information (cont.)

7. Is there an existing or planned treatment facility at your site designated to accept this wastestream? Yes

   a. If yes, Unit name: This stream is sent to the evaporator prior to being treated. The non-complexed portion will be grouted; the complexed portion will be sent to B Plant for complexant destruction. It will then be separated for treatment by grout or vitrification.

      Building number: 221-B (B Plant), 242-A (Evaporator), 243-GI (Grout).

   b. If no, is there an existing or planned treatment facility at another DOE site that could accept this wastestream? Yes No

      1. If yes, Unit name:
         Building number:

         Unit name:
         Building number:

      2. Do you have approval to treat this wastestream at the other site(s)?

         Comments:

8. Is this wastestream still generated? Yes

   a. If yes, provide generation rate as wastestream enters initial destination unit(s) indicated in question 4a.

      If the wastestream is labpacked and generated in quantities less than 0.02 m^3 (5 gal)/year, check here.
      Otherwise, provide generation rate.

      Generation rate: Per year (m^3) 830

      Assumptions which may affect generation rate: Workload and processes do not change.

9. For currently generated wastestreams if the initial destination (question 4a) is treatment, is the product or residue from the treatment a mixed waste? Yes

   a. If yes, what is unique common name of this wastestream? Same as above

"THIRDS" WASTESTREAM DATA INPUT FORM - #50

III. Wastestream Characterization Information

1. What are the RCRA categories applicable to this wastestream. (Ignitable Corrosive Reactive EP Toxic Listed)
Corrosive

2. List all the EPA waste codes applicable to this wastestream:
D002

3. Indicate your confidence level in the accuracy of the EPA waste codes. (High Medium Low)
Medium - Based on process knowledge.

4. What is the applicable radioactive category of this wastestream? (HLW TRU LLW) LLW

5. Does this waste contain PCBs? No

6. What is the applicable physical form of this wastestream: (Solid Liquid Gas)? Liquid
(NOTE: Consider sludges as solids, slurries as liquids, EPA views labpacks containing liquids as liquids).

   a. If solid, is it sludge, soil, metal, rags, filters, paper, absorbent materials, or other?

   b. If liquid, is it: Wastewater, or nonwastewater?
   (NOTE: Wastewater only if <1% TOC and <1% TSS). Nonwastewater

7. Indicate whether or not this wastestream is combustible. (Combustible Noncombustible Mixed)
   (NOTE: Mixed contains at least 10% volume of both).
Noncombustible

8. If reactive (question 1), indicate reactive category from 40 CFR 261,23 (see page 3 of instructions).
   (Other Water Reactive Cyanide Sulfide Explosive)

9. Is this waste a candidate for delisting? N/A

   a. If yes, has the process been started?
   b. Has the delisting petition been submitted to EPA?
      1. If yes, provide date of submittal.

DISTRIBUTION

Number of Copies
ONSITE

Westinghouse Hanford Company

14	President's Office	B3-01
	R. J. Bliss	B3-04
	C. DeFigh-Price	B2-20
	L. M. Dittmer	B2-20
	G. T. Dukelow	R2-97
	K. A. Hadley	R2-42
	R. E. Lerch	B2-35
	D. W. Lindsey	R2-82
	H. E. McGuire	B2-35
	S. M. O'Toole	B2-20
	L. L. Powers	B2-35
	J. O. Skolrud	B2-20
	J. C. Womack	R2-18
	EDMC	H4-22
1	Central Files	L8-04
1	DOE-RL Public Reading Room	A1-65
3	Publications Services	L8-07